



## State of Vermont

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January 17, 2000

GENE PUSHEE  
BRADFORD OIL COMPANY  
PO BOX 394  
BRADFORD, VERMONT 05033-0394

RE: Site Management Activity Completed, South End Auto, SMS Site #97-2185  
Randolph, Vermont

Dear Mr. Pushee:

The Sites Management Section (SMS) has reviewed the January 6, 2000 report titled "*Initial Site Investigation Report, South End Auto Randolph, Vermont*" prepared by Marin Environmental for work conducted at the above referenced site. The SMS has also reviewed information contained in the site file. With this information, the SMS can now make the following conclusions:

- On May 7, 1997 one 6,000 gallon and two 4,000 gallon gasoline underground storage tanks (USTs) were removed from the South End Auto property on Route 12 in Randolph.
- During the UST removals, 1 soil sample from near the containment sump of the 6,000 gallon UST was found to be contaminated with petroleum compounds at concentrations above SMS guideline levels, as measured with a photoionization detector (PID). No other contaminated soil samples were reported. Groundwater was encountered at 6' in the tank excavation. No evidence of gross groundwater contamination (free product or sheens) was observed during the UST removal. One groundwater sample from the tank pit was collected and analyzed for volatile organic compounds (VOCs) via EPA Method 8240. Benzene (142 µg/L), ethyl benzene (2,240 µg/L), naphthalene (2,600 µg/L), styrene (735 µg/L), toluene (1,940 µg/L), 1,3,5- (1,860 µg/L) and 1,2,4- trimethylbenzene (2,300 µg/L) were detected above Vermont Groundwater Enforcement Standards (VGES). Additional investigation of the UST removals was required by the SMS.
- On December 7, 1999 four groundwater monitor wells were installed on site to evaluate potential contamination to groundwater. The groundwater samples collected from MW-4 showed slight petroleum contamination below VGES, this was naphthalene at 1.0 µg/L. No other petroleum contaminants were detected in this well or monitor wells MW-1 to -3.

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Groundwater was shown to flow northeast toward the corner of Route 12 and Pinnacle Street. No detectable contamination was found at MW-3, the most down gradient monitor well.

- The nearest at risk surface water approximately 200 feet down gradient to the northeast is Smith Brook, a tributary of the Third Branch of the White River. No other sensitive environmental receptors were identified.
- The property water supply well is up gradient of the tank location. According to a Marin interview with the property owner, this well is not used for drinking water and was tested by SciTest Inc. of Randolph in the fall of 1999. No VOCs were reported in the water sample. No unacceptable risk to human health and the environment is present due to any residual contamination remaining in the ground from the removed USTs.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release Bradford Oil Company, of any past or future liability associated with the petroleum contamination onsite. It does, however, mean that the SMS is not requesting any additional work in response to the May 1997 UST removal.

If the monitoring wells are no longer used or maintained, then they must be properly closed to eliminate possible conduits for contaminant migration into the subsurface. This closure typically involves filling the wells with a grout material to prevent fluid migration in the borehole. Specific requirements for well closure are outlined in Section 12.3.5 in Appendix A of the Vermont Water Supply Rule-Chapter 21.

Please feel free to call with any questions.

Sincerely,



George Desch, Chief, P.E.  
Sites Management Section

CC: Randolph Selectboard  
Randolph Health Officer  
DEC Regional Office  
Kim Lockard, Marin Environmental  
Norman LaPrade, owner